

In the Claims

Please amend the claims as follows:

1. (Amended) A blending system, comprising:
- a first material supply line;
 - a second material supply line;
 - a static mixer fluidly connected downstream of the first and the second material supply lines; and
 - a process control system comprising a first flow control device positioned on at least one of the first and the second material supply lines, a first sensor positioned on at least one of the first and the second material supply lines downstream of the static mixer, and a controller comprising logic code to provide a control signal to the first flow control device based upon a sensor signal provided by the first sensor.
2. (Cancelled)
3. (Amended) The blending system of claim 2 1, wherein the first sensor is a density sensor.
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Amended) A method of supplying blended process materials, comprising:

supplying a first process material through a first material supply line;

supplying a second process material through a second material supply line;

blending the first and the second process materials in a static mixer fluidly connected downstream of the first and the second material supply lines; and

regulating the supply of one of the first and the second process materials with a first valve positioned on one of the first and the second material supply lines based upon a sensor signal provided by a sensor positioned ~~downstream of the static mixer~~ on at least one of the first and the second material supply lines.

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

B 37. (New) The blending system of claim 1, the process control system further comprising a second flow control device positioned on at least one of the first and the second material supply lines, and a second sensor positioned on at least one of the first and the second material supply lines, wherein the logic code provides a control signal to the second flow control device based upon a sensor signal provided by the second sensor.

38. (New) The method of supplying blended process materials of claim 27, further comprising regulating the supply of the other of the first and the second process materials with a second valve positioned on one of the first and the second material supply lines based upon a sensor signal provided by a sensor positioned on one of the first and the second material supply lines.

39. (New) The method of claim 27 or 38, wherein the supply of the first and the second process materials are regulated to provide a constant volume of flow exiting the static mixer.
